

CLAIMS

What is claimed as new and desired to be protected by Letters Patent of the United States is:

1. A sliding composition comprising 50 to 80 vol% of a thermosetting resin, 10 to 40 vol% of a polytetrafluoroethylene having a molecular weight of 3,000,000 or more and 1 to 20 vol% of bismuth and/or a bismuth alloy.
2. A sliding composition comprising 50 to 80 vol% of a thermosetting resin, 10 to 40 vol% of a polytetrafluoroethylene having a molecular weight of 3,000,000 or more and 1 to 20 vol% of an alkaline earth metal salt.
3. A sliding composition comprising 50 to 80 vol% of a thermosetting resin, 10 to 40 vol% of a polytetrafluoroethylene having a molecular weight of 3,000,000 or more and 1 to 20 vol% in total of bismuth or a bismuth alloy, or both and an alkaline earth metal salt.
4. A sliding composition according to claim 1, which further comprises 1 to 30 vol% of a solid lubricant.
5. A sliding composition according to claim 2, which further comprises 1 to 30 vol% of a solid lubricant.
6. A sliding composition according to claim 3, which further comprises 1 to 30 vol% of a solid lubricant.
7. A sliding member obtained by coating a substrate with a sliding composition according to claim 1.
8. A sliding member obtained by coating a substrate with a sliding composition according to claim 2.
9. A sliding member obtained by coating a substrate with a sliding composition according to claim 3.

10. A sliding member obtained by coating a substrate with a sliding composition according to claim 4.
11. A sliding member obtained by coating a substrate with a sliding composition according to claim 5.
12. A sliding member obtained by coating a substrate with a sliding composition according to claim 6.
13. A sliding member obtained by coating a porous layer formed on a substrate with a sliding composition according to claim 1 by impregnation.
14. A sliding member obtained by coating a porous layer formed on a substrate with a sliding composition according to claim 2 by impregnation.
15. A sliding member obtained by coating a porous layer formed on a substrate with a sliding composition according to claim 3 by impregnation.
16. A sliding member obtained by coating a porous layer formed on a substrate with a sliding composition according to claim 4 by impregnation.
17. A sliding member obtained by coating a porous layer formed on a substrate with a sliding composition according to claim 5 by impregnation.
18. A sliding member obtained by coating a porous layer formed on a substrate with a sliding composition according to claim 6 by impregnation.